Rui E Castro

List of Publications by Citations

68 papers	3,031 citations	32 h-index	54 g-index
75 ext. papers	3,512 ext. citations	5.6 avg, IF	4.88 L-index

#	Paper	IF	Citations
68	Hepatocyte apoptosis, expression of death receptors, and activation of NF-kappaB in the liver of nonalcoholic and alcoholic steatohepatitis patients. *American Journal of Gastroenterology*, **2004**, 99, 1708-17	8.7	297
67	miR-34a/SIRT1/p53 is suppressed by ursodeoxycholic acid in the rat liver and activated by disease severity in human non-alcoholic fatty liver disease. *Journal of Hepatology*, **2013**, 58, 119-25	13.4	240
66	MicroRNA-143 reduces viability and increases sensitivity to 5-fluorouracil in HCT116 human colorectal cancer cells. *FEBS Journal*, **2009**, 276, 6689-700	5.7	161
65	Tauroursodeoxycholic acid reduces apoptosis and protects against neurological injury after acute hemorrhagic stroke in rats. *Proceedings of the National Academy of Sciences of the United States of America*, **2003**, 100, 6087-92	11.5	150
64	Necroptosis is a key pathogenic event in human and experimental murine models of non-alcoholic steatohepatitis. *Clinical Science*, **2015**, 129, 721-39	6.5	116
63	Tauroursodeoxycholic acid prevents amyloid-beta peptide-induced neuronal death via a phosphatidylinositol 3-kinase-dependent signaling pathway. *Molecular Medicine*, **2003**, 9, 226-34	6.2	95
62	miR-143 overexpression impairs growth of human colon carcinoma xenografts in mice with induction of apoptosis and inhibition of proliferation. *PLoS ONE*, **2011**, 6, e23787	3.7	85
61	Activation of necroptosis in human and experimental cholestasis. *Cell Death and Disease*, **2016**, 7, e2390	9.8	76
60	Identification of microRNAs during rat liver regeneration after partial hepatectomy and modulation by ursodeoxycholic acid. *American Journal of Physiology - Renal Physiology*, **2010**, 299, G887-97	5.1	75
59	Apoptosis and insulin resistance in liver and peripheral tissues of morbidly obese patients is associated with different stages of non-alcoholic fatty liver disease. *Diabetologia*, **2011**, 54, 1788-98	10.3	73
58	miRNA-21 ablation protects against liver injury and necroptosis in cholestasis. *Cell Death and Differentiation*, **2018**, 25, 857-872	12.7	71
57	Apoptosis and Bcl-2 expression in the livers of patients with steatohepatitis. *European Journal of Gastroenterology and Hepatology*, **2006**, 18, 21-9	2.2	64
56	Circulating microRNAs as Potential Biomarkers in Non-Alcoholic Fatty Liver Disease and Hepatocellular Carcinoma. *Journal of Clinical Medicine*, **2016**, 5,	5.1	61
55	p53 is a key molecular target of ursodeoxycholic acid in regulating apoptosis. *Journal of Biological Chemistry*, **2007**, 282, 34250-9	5.4	58
54	Inhibition of the E2F-1/p53/Bax pathway by tauroursodeoxycholic acid in amyloid beta-peptide-induced apoptosis of PC12 cells. *Journal of Neurochemistry*, **2004**, 90, 567-75	6	58
53	c-Jun N-terminal kinase 1/c-Jun activation of the p53/microRNA 34a/sirtuin 1 pathway contributes to apoptosis induced by deoxycholic acid in rat liver. *Molecular and Cellular Biology*, **2014**, 34, 1100-20	4.8	57
52	Ursodeoxycholic acid modulates E2F-1 and p53 expression through a caspase-independent mechanism in transforming growth factor beta1-induced apoptosis of rat hepatocytes. *Journal of Biological Chemistry*, **2003**, 278, 48831-8	5.4	56

51	Tauroursodeoxycholic acid modulates p53-mediated apoptosis in Alzheimer's disease mutant neuroblastoma cells. *Journal of Neurochemistry*, **2006**, 98, 1610-8	6	55
50	Diagnostic and prognostic biomarkers in cholangiocarcinoma. *Liver International*, **2019**, 39 Suppl 1, 108-122	7.9	53
49	Administration of tauroursodeoxycholic acid (TUDCA) reduces apoptosis following myocardial infarction in rat. *The American Journal of Chinese Medicine*, **2007**, 35, 279-95	6	53
48	Tauroursodeoxycholic acid prevents E22Q Alzheimer's Abeta toxicity in human cerebral endothelial cells. *Cellular and Molecular Life Sciences*, **2009**, 66, 1094-104	10.3	51
47	Perturbation of membrane dynamics in nerve cells as an early event during bilirubin-induced apoptosis. *Journal of Lipid Research*, **2002**, 43, 885-894	6.3	50
46	The bile acid tauroursodeoxycholic acid modulates phosphorylation and translocation of bad via phosphatidylinositol 3-kinase in glutamate-induced apoptosis of rat cortical neurons. *Journal of Pharmacology and Experimental Therapeutics*, **2004**, 311, 845-52	4.7	49
45	miR-21 ablation and obeticholic acid ameliorate nonalcoholic steatohepatitis in mice. *Cell Death and Disease*, **2017**, 8, e2748	9.8	48
44	Nuclear translocation of UDCA by the glucocorticoid receptor is required to reduce TGF-beta1-induced apoptosis in rat hepatocytes. *Hepatology*, **2005**, 42, 925-34	11.2	48
43	Revisiting the metabolic syndrome and paving the way for microRNAs in non-alcoholic fatty liver disease. *FEBS Journal*, **2014**, 281, 2503-24	5.7	46
42	Modulation of nuclear steroid receptors by ursodeoxycholic acid inhibits TGF-beta1-induced E2F-1/p53-mediated apoptosis of rat hepatocytes. *Biochemistry*, **2004**, 43, 8429-38	3.2	41
41	Functional modulation of nuclear steroid receptors by tauroursodeoxycholic acid reduces amyloid beta-peptide-induced apoptosis. *Molecular Endocrinology*, **2006**, 20, 2292-303		37
40	p53 and the regulation of hepatocyte apoptosis: implications for disease pathogenesis. *Trends in Molecular Medicine*, **2009**, 15, 531-41	11.5	35
39	Liver and muscle in morbid obesity: the interplay of fatty liver and insulin resistance. *PLoS ONE*, **2012**, 7, e31738	3.7	34
38	miR-143 or miR-145 overexpression increases cetuximab-mediated antibody-dependent cellular cytotoxicity in human colon cancer cells. *Oncotarget*, **2016**, 7, 9368-87	3.3	34
37	Aberrant MEK5/ERK5 signalling contributes to human colon cancer progression via NF-B activation. *Cell Death and Disease*, **2015**, 6, e1718	9.8	33
36	Cytotoxic bile acids, but not cytoprotective species, inhibit the ordering effect of cholesterol in model membranes at physiologically active concentrations. *Biochimica Et Biophysica Acta - Biomembranes*, **2013**, 1828, 2152-63	3.8	32
35	MEK5/ERK5 signaling inhibition increases colon cancer cell sensitivity to 5-fluorouracil through a p53-dependent mechanism. *Oncotarget*, **2016**, 7, 34322-40	3.3	31
34	Nanoformulations of a potent copper-based aquaporin inhibitor with cytotoxic effect against cancer cells. *Nanomedicine*, **2016**, 11, 1817-30	5.6	31

33	A distinct microarray gene expression profile in primary rat hepatocytes incubated with ursodeoxycholic acid. *Journal of Hepatology*, **2005**, 42, 897-906	13.4	30
32	Cell death targets and potential modulators in Alzheimer's disease. *Current Pharmaceutical Design*, **2010**, 16, 2851-64	3.3	29
31	Differential regulation of cyclin D1 and cell death by bile acids in primary rat hepatocytes. *American Journal of Physiology - Renal Physiology*, **2007**, 293, G327-34	5.1	29
30	Synthesis, G-quadruplex stabilisation, docking studies, and effect on cancer cells of indolo[3,2-b]quinolines with one, two, or three basic side chains. *ChemMedChem*, **2013**, 8, 1648-61	3.7	28
29	Apoptosis in transgenic mice expressing the P301L mutated form of human tau. *Molecular Medicine* , **2008**, 14, 309-17	6.2	28
28	The Emerging Role of microRNAs in Aquaporin Regulation. *Frontiers in Chemistry*, **2018**, 6, 238	5	25
27	Copper complex nanoformulations featuring highly promising therapeutic potential in murine melanoma models. *Nanomedicine*, **2019**, 14, 835-850	5.6	24
26	Deoxycholic acid modulates cell death signaling through changes in mitochondrial membrane properties. *Journal of Lipid Research*, **2015**, 56, 2158-71	6.3	23
25	Synthesis and evaluation of water-soluble prodrugs of ursodeoxycholic acid (UDCA), an anti-apoptotic bile acid. *ChemMedChem*, **2013**, 8, 1002-11	3.7	21
24	Liquid Biopsies in Hepatocellular Carcinoma: Are We Winning?. *Journal of Clinical Medicine*, **2020**, 9,	5.1	19
23	Inhibition of NF-B by deoxycholic acid induces miR-21/PDCD4-dependent hepatocellular apoptosis. *Scientific Reports*, **2015**, 5, 17528	4.9	19
22	Ursodeoxycholic acid: Effects on hepatic unfolded protein response, apoptosis and oxidative stress in morbidly obese patients. *Liver International*, **2018**, 38, 523-531	7.9	18
21	miR-873-5p targets mitochondrial GNMT-Complex II interface contributing to non-alcoholic fatty liver disease. *Molecular Metabolism*, **2019**, 29, 40-54	8.8	17
20	Skeletal muscle miR-34a/SIRT1:AMPK axis is activated in experimental and human non-alcoholic steatohepatitis. *Journal of Molecular Medicine*, **2019**, 97, 1113-1126	5.5	13
19	With mouse age comes wisdom: A review and suggestions of relevant mouse models for age-related conditions. *Mechanisms of Ageing and Development*, **2016**, 160, 54-68	5.6	13
18	Progesterone and caspase-3 activation in equine cyclic corpora lutea. *Reproduction in Domestic Animals*, **2007**, 42, 380-6	1.6	13
17	A Novel Serum Metabolomic Profile for the Differential Diagnosis of Distal Cholangiocarcinoma and Pancreatic Ductal Adenocarcinoma. *Cancers*, **2020**, 12,	6.6	11
16	Cell Death and microRNAs in Cholestatic Liver Diseases: Update on Potential Therapeutic Applications. *Current Drug Targets*, **2017**, 18, 921-931	3	11

List of Publications

15	RIPK3 acts as a lipid metabolism regulator contributing to inflammation and carcinogenesis in non-alcoholic fatty liver disease. *Gut*, **2021**, 70, 2359-2372	19.2	10
14	Ursodeoxycholic acid modulates the ubiquitin-proteasome degradation pathway of p53. *Biochemical and Biophysical Research Communications*, **2010**, 400, 649-54	3.4	9
13	Host miRNA-21 promotes liver dysfunction by targeting small intestinal in mice. *Gut Microbes*, **2020**, 12, 1-18	8.8	8
12	Naphtho[2,3-d]isoxazole-4,9-dione-3-carboxylates: potent, non-cytotoxic, antiapoptotic agents. *Chemico-Biological Interactions*, **2009**, 180, 175-82	5	8
11	Diet-dependent gut microbiota impacts on adult neurogenesis through mitochondrial stress modulation. *Brain Communications*, **2020**, 2, fcaa165	4.5	7
10	Adiponectin, Leptin, and IGF-1 Are Useful Diagnostic and Stratification Biomarkers of NAFLD. *Frontiers in Medicine*, **2021**, 8, 683250	4.9	7
9	Processes exacerbating apoptosis in non-alcoholic steatohepatitis. *Clinical Science*, **2019**, 133, 2245-2264	6.5	6
8	Potential of miR-21 to Predict Incomplete Response to Chemoradiotherapy in Rectal Adenocarcinoma. *Frontiers in Oncology*, **2020**, 10, 577653	5.3	3
7	Targeting miR-506 in primary biliary cirrhosis to support the HCO3- umbrella. *Clinics and Research in Hepatology and Gastroenterology*, **2012**, 36, 402-4	2.4	2
6	Bile Acids as Modulators of Apoptosis391-419		2
5	5. THE ROLE OF BILE ACIDS IN THE MODULATION OF APOPTOSIS. *Principles of Medical Biology*, **2004**, 15, 119-145		2
4	Measuring the Impact of Bile Acids on the Membrane Order of Primary Hepatocytes and Isolated Mitochondria by Fluorescence Imaging and Spectroscopy. *Methods in Molecular Biology*, **2019**, 1981, 99-115	1.4	1
3	Impact of aging on primary liver cancer: epidemiology, pathogenesis and therapeutics. *Aging*, **2021**, 13, 23416-23434	5.6	1
2	Isolation of Mitochondria from Liver and Extraction of Total RNA and Protein: Analyses of miRNA and Protein Expression. *Methods in Molecular Biology*, **2021**, 2310, 1-15	1.4	1
1	Extracellular Vesicles in Non-alcoholic Fatty Liver Disease: Key Players in Disease Pathogenesis and Promising Biomarker Tools **2020**, 157-180		